SOCIUS ENGG. TECH. PVT. LTD.

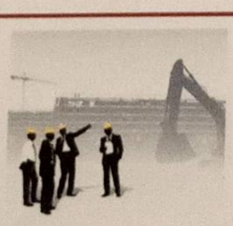
AN ISO 9001: 2015, MSME. CERTIFIED COMPANY

TEST REPORT ON CEMENT

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Hanuman Temple**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**Satisfactory**
Test According to:	**Relevant IS code**
Date of Testing:	**31/05/2021**

SOCIUS ENGG. TECH PVT. LTD. Bengaluru 560 010

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



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SL no	Description	Test Method as per IS	Test Result	Remarks
1	a) Initial setting time	IS: -4031 (part-5)	128 Minutes	ok
	b) Final setting time	IS: -4031 (part-5)	460Minutes	ok
2	Soundness	IS: 4031 (part-3) La-Chatelier method	3.0 mm	ok
3	Standard Consistency	IS: -4031 (part-4)	25.00%	ok
4	Compressive Strength			
	a) 3 Days	Mpa	26	ok
	b) 7 Days	Mpa	37	ok

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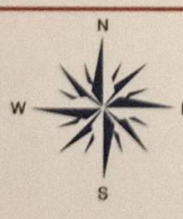

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TEST REPORT ON CEMENT

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Shakarnag Park**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**Satisfactory**
Test According to:	**Relevant IS code**
Date of Testing:	**05/08/2021**

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SL no	Description	Test Method as per IS	Test Result	Remarks
1	c) Initial setting time	IS: -4031 (part-5)	128 Minutes	ok
	d) Final setting time	IS: -4031 (part-5)	460Minutes	ok
2	Soundness	IS: 4031 (part-3) La-Chatelier method	3.0 mm	ok
3	Standard Consistency	IS: -4031 (part-4)	25.00%	ok
4	Compressive Strength			
	c) 3 Days	Mpa	26	ok
	d) 7 Days	Mpa	37	ok

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TEST REPORT ON FINE AGGREGATE

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Shankarnag Park**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**IS 383-1970 (RA-2002), Satisfactory**
Test According to:	**Relevant IS code**
Date of Testing:	**05/08/2021**

SAMPLE ID: Sand Total Wt of Aggregate in Gms: 1350

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IS Sieve Size in mm	Weight of Retained (gms)	Cumulative Weight of Retained (gms)	Cumulative % of Retained (gms)	Cumulative % of passing	Percentage Passing for grading zone II as per IS 383-1970
10	0	0	0	100	100
4.75	30	30	2.22	97.78	90-100
2.36	62	92	6.81	93.82	75-100
1.18	90	182	13.48	86.52	55-90
600 Micron	480	662	49.03	50.97	35-59
300 Micron	358	1020	75.55	24.45	8-30
150 Micron	325	1345	99.62	0.38	0-10

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Project Division
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TEST REPORT ON FINE AGGREGATE

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Hanuman Temple**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**IS 383-1970 (RA-2002), Satisfactory**
Test According to:	**Relevant IS code**
Date of Testing:	**31/05/2021**

SAMPLE ID: Sand Total Wt of Aggregate in Gms: 1350

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Assistant Executive Engineer
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IS Sieve Size in mm	Weight of Retained (gms)	Cumulative Weight of Retained (gms)	Cumulative % of Retained (gms)	Cumulative % of passing	Percentage Passing for grading zone II as per IS 383-1970
10	0	0	0	100	100
4.75	30	30	2.22	97.78	90-100
2.36	62	92	6.81	93.82	75-100
1.18	90	182	13.48	86.52	55-90
600 Micron	480	662	49.03	50.97	35-59
300 Micron	358	1020	75.55	24.45	8-30
150 Micron	325	1345	99.62	0.38	0-10

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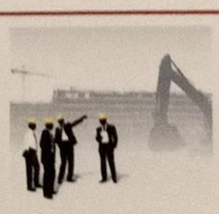

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TEST REPORT ON COARSE AGGREGATE

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Hanuman Temple**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**IS 383-1970 (RA-2002), Satisfactory**
Test According to:	**Relevant IS code**
Date of Testing:	**31/05/2021**

SOCIUS ENGG. TECH. PVT. LTD. Bengaluru 560 010

Total Wt of Aggregate in Gms: 2300

Asst. Executive Engineer
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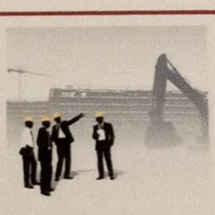

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IS Sieve Size in mm	Weight of Retained (gms)	Cumulative Weight of Retained (gms)	Cumulative % of Retained (gms)	Cumulative % of passing	Percentage Passing for grading zone II as per IS 383-1970
40	0	0	0	100	100
20	195	195	8.125	91.87	95-100
10	1150	1345	56.04	43.96	25-55
4.75	955	2300	95.87	4.125	0-10

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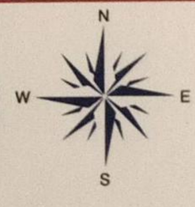
TEST REPORT ON COARSE AGGREGATE

Name of work:	Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division
Location:	Shankarnag Park
Client:	Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore
Name of the Agency:	Sri. N. Jagadish
Reference:	EE(Project)/Ynk Zone/WO/179/2020-21
Condition of Samples:	IS 383-1970 (RA-2002), Satisfactory
Test According to:	Relevant IS code
Date of Testing:	05/08/2021

SOCIUS ENGG. TECH. PVT. LTD. Bengaluru 560 010

Total Wt of Aggregate in Gms: 2300

Asst. Executive Engineer
Project Division
Yelahanka Zone
[illegible], Bangalore - 92



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IS Sieve Size in mm	Weight of Retained (gms)	Cumulative Weight of Retained (gms)	Cumulative % of Retained (gms)	Cumulative % of passing	Percentage Passing for grading zone II as per IS 383-1970
40	0	0	0	100	100
20	195	195	8.125	91.87	95-100
10	1150	1345	56.04	43.96	25-55
4.75	955	2300	95.87	4.125	0-10

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Project Division
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TEST REPORT ON CHAIN LINK FENCING WIRE (8mm Gauge)

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Hanuman Temple**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**Satisfactory**
Test According to:	**Relevant IS code**
Date of Testing:	**04/07/2021**

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Asst. Executive Engineer
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Sl.No	Description	Result
1	Diameter	4.15mm
2	Internal Spacing	50mm X 50mm
3	Weight / Meter (1m X1m)	4.9498Kg

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TEST REPORT ON M S RECTANGULAR POLE (STRUCTURAL STEEL)

Name of work:	Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division
Location:	Hanuman Temple
Client:	Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore
Name of the Agency:	Sri. N. Jagadish
Reference:	EE(Project)/Ynk Zone/WO/179/2020-21
Condition of Samples:	ISA-65X65X6mm (1m Length) Satisfactory
Test According to:	Relevant IS code
Date of Testing:	02/07/2021

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Sl.No	Description	Result
1	Thickness	6.20mm
2	Width	65.0mm
3	Weight / Meter	5.90Kg

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TEST REPORT ON M.S PIPE(38mm Dia)

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Hanuman Temple**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**M.S Pipe 38mm Dia Satisfactory**
Test According to:	**Relevant IS code**
Date of Testing:	**03/07/2021**

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Asst. Executive Engineer
Project Division
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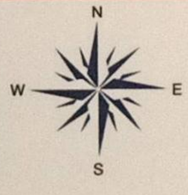

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PHYSICAL TEST

Sl.No	Description	Result
1	Thickness	2.25mm
2	Inner Diameter	38.10mm
3	Outer Diameter	42.60mm
4	Weight / Meter	1.880Kg

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Project Division
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TEST REPORT ON COMPRESSIVE STRENGHTH OF HEAVY DUTY COBBLE STONE

Name of work:	Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division
Location:	Hanuman Temple
Client:	Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore
Name of the Agency:	Sri. N. Jagadish
Reference:	EE(Project)/Ynk Zone/WO/179/2020-21
Condition of Samples:	Satisfactory
Test According to:	IS:516-1959 (Reaffirmed 1999), SP 24:1983
Date of Testing:	07/07/2021

SOCIUS ENGG. TECH PVT. LTD. Bengaluru 560 010

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

N W E S

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Sl No	Sample Diamention,Sq Cm	Sample Thickness,mm	Compressive Strength Heavy Duty Cobble Stone
1	260.75	58	281.23
2			286.05
3			276.15
4			286.24
5			279.36
6			282.31
7			281.45
Average Compressive Strength Kg/Sq.cm			281.82
Required Compressive Strength Kg/Sq.cm			281.00

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Project Division
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TEST REPORT ON COMPRESSIVE STRENGHTH OF HEAVY DUTY COBBLE STONE

Name of work:	Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division
Location:	Hanuman Temple
Client:	Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore
Name of the Agency:	Sri. N. Jagadish
Reference:	EE(Project)/Ynk Zone/WO/179/2020-21
Condition of Samples:	Satisfactory
Test According to:	IS:516-1959 (Reaffirmed 1999), SP 24:1983
Date of Testing:	07/07/2021

SOCIUS ENGG. TECH PVT. LTD. Bengaluru 560 010

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

#363, 19th Main Road, 1st Block,
Rajajinagar, Bengaluru – 560010
E-Mail: support@sociusengg.com
Call: 7259425099, 8951206241
Website: www.sociusengg.com

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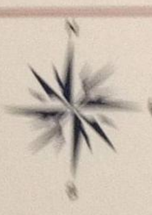
Sl.No	Sample Dimensions Sq.Cm	Sample Thickness mm	Compressive Strength N/mm2 (kg/Cubic cm)
1	200.76	58	280.63
2			284.34
3			280.38
4			285.44
5			278.42
6			283.41
7			281.65
Average Compressive Strength Kg/Sq.cm			281.99
Required Compressive Strength Kg/Sq.cm			281.00

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 63



#363, 16th Main Road, IT Block,
Rajamahal, Bangalore - 560010
E-Mail: support@sochisenergy.com
Call: 9740425959, 8431696141
Website: www.sochisenergy.com

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TEST REPORT ON COMPRESSIVE STRENGHTH OF HEAVY DUTY COBBLE STONE

Name of work:	**Package No-10 1.Improvements to Vivekananda Stadium and providing Indoor Gym Equipments to Hoysala Ground In Ward No.03 and 04 in Yelahanaka Satelite Town Sub Division 2.Improvements to Park, Nisarga Park and Playground in Duomarvels Layout in Ward No.03 in Yelahanaka Satelite Town Sub Division 3.Improvements to Parks at 21st Main Judicial Layout in ward No. 04 of Yelahanaka Satelite Town Sub Division 4.Improvements to Parks in Ward No.04 in Yelahanaka Satelite Town Sub Division**
Location:	**Shankarnag Park**
Client:	**Assistant Executive Engineer, Yelahanka Project BBMP, Bangalore**
Name of the Agency:	**Sri. N. Jagadish**
Reference:	**EE(Project)/Ynk Zone/WO/179/2020-21**
Condition of Samples:	**Satisfactory**
Test According to:	**IS:516-1959 (Reaffirmed 1999), SP 24:1983**
Date of Testing:	**18/092021**

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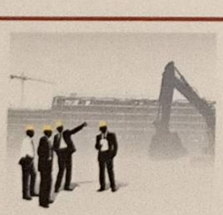
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



#363, 19th Main Road, 1st Block,
Rajajinagar, Bengaluru – 560010
E-Mail: support@sociusengg.com
Call: 7259425099, 8951206241
Website: www.sociusengg.com

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Sl No	Sample Diamention,Sq Cm	Sample Thickness,mm	Compressive Strength Heavy Duty Cobble Stone
1	260.75	58	276.22
2			283.05
3			283.25
4			285.34
5			284.46
6			279.21
7			278.35
Average Compressive Strength Kg/Sq.cm			281.42
Required Compressive Strength Kg/Sq.cm			281.00

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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